

In re Patent Application of:
RICO ET AL
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at least one second winding slot being devoid of a
tuning slot.

REMARKS

Applicants thank the Examiner for the thorough examination of the present application. Independent Claim 9 has been amended to more clearly define over the prior art. In view of the supporting arguments presented in detail below, it is submitted that all of the claims are patentable.

I. Claims 1-4 And 9-13 Are Patentable.

The present invention, as recited in independent Claim 1, for example, is directed to tuning the torsional natural frequency of a rotor. The method includes forming at least one tuning slot within winding slots defined by radially projecting winding teeth. The tuning slot extends radially inwardly from the bottom of the winding slot to tune the rotor to a desired torsional natural frequency.

Independent Claim 9, for example, is directed to a corresponding rotor. More specifically, the rotor includes a rotor shaft, a cylindrically configured rotor body formed as part of the shaft and having a plurality of radially projecting winding teeth that define winding slots for receiving winding wire therein. The winding slots have a bottom portion spaced radially inward. The rotor also includes at least one first winding slot having a tuning slot that extends radially inward from the bottom thereof a distance that tunes the rotor to a desired torsional natural